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REMARKS

1. Claims 1-32 are pending.
2. The Office Action mailed 01/30/2007 has been reviewed.
3. In response to the Office Action:
First, claims 1, 5-6, 16 and 32 hereby are amended;
Second, claims 2-4, 7-15 and 17-31 hereby are canceled; and
Third, nine (9) new claims numbered 33-41 hereby are presented.
4. The remarks below are directed to the remaining claims 1, 5-6, 16, 32 and 33-41. It is noted that the foregoing claims 33-41 are newly presented.
5. Claims 1, 5-6, 16 and 32 are rejected under section 102(e) as being anticipated by Shanahan et al., U.S. Patent Application Publication 2005/0022114A1 ("Shanahan") and by Levy et al., U.S. Patent Application Publication 2002/0033844A1 ("Levy"). In response, these claims hereby are amended to more adequately and more patentably distinguish the claimed invention over these references. As a result, and for the reasons discussed below, it is believed these rejections are traversed.
6. Based on M.P.E.P. section 706.02, "for anticipation under 35 U.S.C. 102, the reference (Shanahan or Levy) must teach every aspect of the claimed invention either explicitly or impliedly. Any feature not directly taught must be inherently present".
In contrast, however, when claims 1, 5-6, 16 and 32 are compared to Shanahan or Levy, substantial differences become apparent. This is explained below.
7. As to independent claim 1, this claim is directed to:
"In a document imaging system (100) including a document imaging server (31) and a user client device (1), the document imaging server including a plurality of document images stored therein, and the client device including a display unit (5), a method for the document imaging

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system to display a stored document image to a user (2), thus forming a displayed document image, and for the user to accept the displayed document image or else request a document image modification to the displayed document image, the method comprising:

by the client device, communicate (205) to the server a user document image request to display a stored document image, the user document image request including a user identification corresponding to the user and a document image identification (915) corresponding to the stored document image to be displayed;

by the document imaging server:

receive (301, 302) the user identification and the document image identification as communicated from the client device corresponding to the displayed document image;

retrieve (305) a stored document image content (55) corresponding to the displayed document image;

retrieve (315) a document image modification request history (80) corresponding to the displayed document image;

by the server and the display unit:

form and display (325) to the user a document image content rendering (405) based on the stored document image content (55);

form and display (340) a document image modification request history rendering (440) based on the retrieved document image modification request history (80);

form and display (330) a user displayed document image accept means (420) for the user to accept the displayed document image;

form and display (335) a user request displayed document image modification means (430) for the user to request a document image modification of the displayed document image; and

by the user:

either accept (220) the displayed document image by activating the user displayed document image accept means or else request a

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document image modification of the displayed document image by activating the user request displayed document image modification means.

where each document image modification comprises any of the following steps:

(i) run a de-skew algorithm (756) in connection with the displayed document image;

(ii) run a noise reduction algorithm (758) in connection with the displayed document image; and

(iii) retrieve and re-scan (757) by means of an included document scanning conversion device (90) the original hardcopy document (95) corresponding to the displayed document image",

claim 1, emphasis added.

8. It is noted that claim 1 includes the following first limitation:

"... by the user:

either accept (220) the displayed document image by activating the user displayed document image accept means or else request a document image modification of the displayed document image by activating the user request displayed document image modification means
... "

claim 1, in part, emphasis added.

In contrast, this first limitation is NOT SATISFIED by Shanahan or Levy. Further, computerized searches of the written descriptions of both Shanahan and Levy reveal that these references DO NOT CONTAIN any the following word phrases:

- "document image";
- "displayed document image";
- "accept ... displayed document image";
- "document image modification"; and
- "request ... document image modification";

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all of which phrases are required in the first limitation above.

Accordingly, this first limitation is NOT SATISFIED by Shanahan or Levy.

9. It further is noted that claim 1 includes the following second limitation:

"... where each document image modification comprises any of the following steps:

- (i) run a de-skew algorithm (756) in connection with the displayed document image;*
- (ii) run a noise reduction algorithm (758) in connection with the displayed document image; and*
- (iii) retrieve and re-scan (757) by means of an included document scanning conversion device (90) the original hardcopy document (95) corresponding to the displayed document image",*
claim 1, in part, emphasis added.

In contrast, this second limitation is NOT SATISFIED by Shanahan or Levy.

Further, computerized searches of the written descriptions of both Shanahan and Levy reveal that Shanahan and Levy DO NOT CONTAIN the following word phrases:

- "de-skew";
- "de-skew algorithm";
- "run ... de-skew algorithm";
- "noise reduction";
- "noise reduction algorithm";
- "run ... noise reduction algorithm";
- "retrieve ... hardcopy document";
- "re-scan ... hardcopy document";
- "retrieve ... original hardcopy document";
- "re-scan ... original hardcopy document"; and
- "retrieve and re-scan ... original hardcopy document";

all of which are required in the second limitation above

Accordingly, this second limitation is NOT SATISFIED by Shanahan or Levy.

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10. Further to Shanahan, while Shanahan contains ideas of a "document-centric auto-correction system 4960" in his FIGS. 49-51 and in his corresponding text from paragraph number 0496 to paragraph number 0509, it is noted these "auto-correction system" ideas DO NOT SATISFY the second limitation as presented in 9 above.

In particular, Shanahan suggests correcting his document content "degraded image" 4203 by identifying the document content original image in the information space 4200 surrounding the document content degraded image 4203, and then substituting the original image from the information space 4200 to correct (replace) his document content degraded image 4203. See Shanahan, paragraph 0509. Thus Shanahan CONTAINS NO DISCLOSURE OR TEACHING of the claimed steps of:

- "(i) run a de-skew algorithm (756) in connection with the displayed document image;*
- (ii) run a noise reduction algorithm (758) in connection with the displayed document image; and*
- (iii) retrieve and re-scan (757) by means of an included document scanning conversion device (90) the original hardcopy document (95) corresponding to the displayed document image",*

as required in the second limitation above.

Still further to Shanahan, even assuming WITHOUT DECIDING that Shanahan's auto-correction system ideas are pertinent to the second limitation's claimed steps of (i) de-skew, (ii) noise-reduction and (iii) retrieve and re-scan (757) the original hardcopy document (95), as copied above, it is noted that Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE OF THESE SAME CLAIMED STEPS.

As clearly stated in the M.P.E.P., "The disclosure in an assertedly anticipating reference MUST PROVIDE AN ENABLING DISCLOSURE of the desired subject matter; mere naming or description of the subject matter is insufficient ", see M.P.E.P. Section 2121.01, August 2006, emphasis added.

Accordingly, as Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE of the claimed steps of (i) de-skew, (ii) noise-reduction and (iii) retrieve and re-scan

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(757) the original hardcopy document (95), in the second limitation as shown above, it must follow that this second limitation itself IS NOT SATISFIED by Shanahan.

11. In summary, as shown in 7-10 above, claim 1 contains AT LEAST THESE TWO (2) limitations that are NOT SATISFIED by Shanahan or Levy. Thus, Shanahan and Levy DO NOT teach every aspect of the claimed invention in claim 1, as required to support the rejection of anticipation. As a result, this rejection is traversed and claim 1 is allowable.

12. Claims 5 and 6 are dependent on claim 1. As a result, these dependent claims 5 and 6 likewise are believed allowable AT LEAST on the grounds that they are dependent on their common parent claim 1 which, as discussed in 7-11 above, is itself allowable.

13. As to independent claim 16, this claim is directed to:

"In a document imaging system (100) including a document imaging server (31) and a user client device (1), the document imaging server including a plurality of document images stored therein, the client device including a display unit (5) to display a document image that has been retrieved from the document imaging server and currently is being displayed, thus forming a displayed document image, a method for a user (2) to request a desired document image modification in the displayed document image, comprising:

by the document imaging server:

retrieve (505) a document image identification corresponding to the displayed document image, determine (510) a document image type and determine (515) a first set of allowable document image modifications (810, 815, 820) based on the document image type;

retrieve (525) a user identification corresponding to the user;

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retrieve (530) a request document image modification history (80) comprising a second set of previous document image modification requests corresponding to the displayed document image; by the server and the display unit:

form and display (520) a rendering (805) of the first set of allowable image modifications corresponding to the displayed document image;

form and display a first selecting means (811, 816, 821) for the user to select at least one allowable document image modification;

form and display a rendering (850) of the second set of previous document image modification requests corresponding to the displayed document image;

form and display a second selecting means (79, 851) for the user to select at least one previous document image modification request that describes the document image modification that the user desires to make in the displayed document image; and

by the user, using the second selecting means to select at least one previous document image modification request;

where each document image modification comprises any of a de-skew (756) of the displayed document image, a noise reduction (758) of the displayed document image and a retrieval and a re-scan (757) by means of an included document scanning conversion device (90) of an original hardcopy document (95) corresponding to the displayed document image;

and where each document image modification request comprises a request for any of a de-skew (756) of the displayed document image, a noise reduction (758) of the displayed document image and a retrieval and a re-scan (757) by means of an included document scanning conversion device (90) of an original hardcopy document (95) corresponding to the displayed document image";

claim 16, emphasis added.

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14. It is noted that claim 16 includes the following first limitation:

"by the user, using the second selecting means to select at least one previous document image modification request",

claim 16, in part, emphasis added.

In contrast, this first limitation is NOT SATISFIED by Shanahan or Levy. Further, computerized searches of the written descriptions of both Shanahan and Levy reveal that Shanahan and Levy DO NOT CONTAIN the following word phrases:

- "document image";
- "image modification";
- "image modification request";
- "document image modification";
- "document image modification request";
- "select ... document image modification";
- "select ... document image modification request"; and
- "select ... previous document image modification request";

all of which phrases are required in the first limitation above.

Accordingly, this first limitation is NOT SATISFIED by Shanahan or Levy.

15. It further is noted that claim 16 includes the following second limitation:

"where each document image modification comprises any of a de-skew (756) of the displayed document image, a noise reduction (758) of the displayed document image and a retrieval and a re-scan (757) by means of an included document scanning conversion device (90) of an original hardcopy document (95) corresponding to the displayed document image;

and where each document image modification request comprises a request for any of a de-skew (756) of the displayed document image, a noise reduction (758) of the displayed document image and a retrieval and a re-scan (757) by means of an included document scanning

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conversion device (90) of an original hardcopy document (95)
corresponding to the displayed document image",

claim 16, in part, emphasis added.

In contrast, this second limitation is NOT SATISFIED by Shanahan or Levy. Further, computerized searches of the written descriptions of both Shanahan and Levy reveal that Shanahan and Levy DO NOT CONTAIN the following word phrases:

- "de-skew";
- "de-skew ... document image",
- "de-skew ... displayed document image",
- "noise reduction ... document image",
- "noise reduction ... displayed document image",
- "retrieval ... original hardcopy document"; and
- "re-scan ... original hardcopy document".

all of which phrases are required in the second limitation above.

Accordingly, this second limitation is NOT SATISFIED by Shanahan or Levy.

16. Further to Shanahan, while Shanahan contains ideas of a "document-centric auto-correction system 4960" in his FIGS. 49-51 and in his corresponding text from paragraph number 0496 to paragraph number 0509, it is noted these "auto-correction system" ideas DO NOT SATISFY the second limitation as presented in 9 above.

In particular, Shanahan suggests correcting his document content "degraded image" 4203 by identifying the document content original image in the information space 4200 surrounding the document content degraded image 4203, and then substituting the original image from the information space 4200 to correct (replace) his document content degraded image 4203. See Shanahan, paragraph 0509. Thus Shanahan CONTAINS NO DISCLOSURE OR TEACHING of the claim elements of:

- "de-skew of the displayed document image",
- "noise reduction of the displayed document image", and
- "a retrieval and a re-scan (757) ... of an original hardcopy document (95) corresponding to the displayed document image";

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as required in the second limitation above.

Still further to Shanahan, even assuming WITHOUT DECIDING that Shanahan's auto-correction system material is pertinent to the claim steps as shown above, it is noted that Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE OF THESE SAME CLAIM ELEMENTS.

As clearly stated in the M.P.E.P., "The disclosure in an assertedly anticipating reference MUST PROVIDE AN ENABLING DISCLOSURE of the desired subject matter; mere naming or description of the subject matter is insufficient ", see M.P.E.P. Section 2121.01, August 2006, emphasis added.

Accordingly, as Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE of the desired claim elements in the second limitation as shown above, it must follow that this second limitation itself IS NOT SATISFIED by Shanahan.

17. In summary, as shown in 13-16 above, claim 16 contains AT LEAST THESE TWO (2) limitations that are NOT SATISFIED by Shanahan or Levy. Thus, Shanahan and Levy DO NOT teach every aspect of the claimed invention in claim 16, as required to support the rejection of anticipation. As a result, this rejection is traversed and claim 16 is allowable.

18. The newly-added claims 33 and 34 are dependent on claim 16. As a result, these dependent claims 33 and 34 likewise are believed allowable AT LEAST on the grounds that they are dependent on their common parent claim 16 which, as discussed in 13-17 above, is itself allowable.

19. As to independent claim 32, this claim is directed to:

"In a document imaging system (100) arranged to provide document imaging services, the document imaging system including at least one document image stored therein and arranged to be displayed as a displayed document image, a method for a user (2) to request a document image modification in the displayed document image, the method comprising, by the document imaging system:

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provide a first selecting means for the user to select a document image modification that the user desires to make in the displayed document image;

provide a second selecting means for the user to select a previously-requested document image modification that previously has been requested in connection with the displayed document image; and

by the user, use the first selecting means to select a document image modification that the user desires to make in the displayed document image or else use the second selecting means to select a previously-requested document image modification, which previously-requested document image modification describes the document image modification that the user desires to make in the displayed document image",

claim 32, emphasis added.

20. It is noted that claim 32 includes the following limitation:

provide a first selecting means for the user to select a document image modification that the user desires to make in the displayed document image;

provide a second selecting means for the user to select a previously-requested document image modification that previously has been requested in connection with the displayed document image; and

by the user, use the first selecting means to select a document image modification that the user desires to make in the displayed document image or else use the second selecting means to select a previously-requested document image modification, which previously-requested document image modification describes the document image modification that the user desires to make in the displayed document image",

claim 32, in part, emphasis added.

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In contrast, this first limitation is NOT SATISFIED by Shanahan or Levy. Further, computerized searches of the written descriptions of both Shanahan and Levy reveal that Shanahan and Levy DO NOT CONTAIN the following word phrases:

- "document image";
- "displayed document image";
- "image modification";
- "document Image modification";
- "select ... document image modification";
- "request ... document image modification";
- "previously-requested document image modification"; and
- "select ... previously-requested document image modification";

all of which phrases are required in the limitation above.

Accordingly, this limitation is NOT SATISFIED by Shanahan or Levy.

21. Further to Shanahan, while Shanahan contains ideas of a type of "document-centric auto-correction system 4960" in his FIGS. 49-51 and in his corresponding text from paragraph number 0496 to paragraph number 0509, it is noted these "auto-correction system" ideas DO NOT SATISFY the claim 32 limitation as presented in 20 above.

Still further to Shanahan, even assuming WITHOUT DECIDING that Shanahan's auto-correction system ideas are pertinent to the claim 32 limitation as shown above, it is noted that Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE OF THIS SAME CLAIM LIMITATION.

As clearly stated in the M.P.E.P., "The disclosure in an assertedly anticipating reference MUST PROVIDE AN ENABLING DISCLOSURE of the desired subject matter; mere naming or description of the subject matter is insufficient ", see M.P.E.P. Section 2121.01, August 2006, emphasis added.

Accordingly, as Shanahan DOES NOT CONTAIN AN ENABLING DISCLOSURE of the desired claim elements in the second limitation as shown above, it must follow that this claim 32 limitation itself IS NOT SATISFIED by Shanahan.

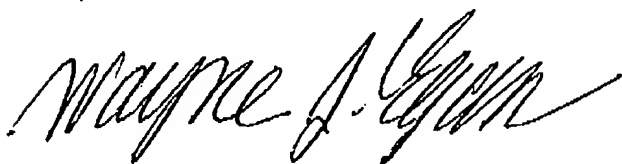
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22. In summary, as shown in 19-21 above, claim 32 contains AT LEAST one limitation that is NOT SATISFIED by Shanahan or Levy. Thus, Shanahan and Levy DO NOT teach every aspect of the claimed invention in claim 32, as required to support the rejection of anticipation. As a result, this rejection is traversed and claim 32 is allowable.

23. The newly-added claims 35-41 are dependent on claim 32. As a result, these dependent claims 35-41 likewise are believed allowable AT LEAST on the grounds that they are dependent on their common parent claim 32 which, as discussed in 19-22 above, is itself allowable.

In summary, it is believed the remaining claims 1, 5-6, 16, 32 and 33-41 are allowable and the application is in condition for allowance. Further consideration of this application is respectfully requested. Please direct questions to the number below.

Respectfully submitted,



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